

ABSTRACT OF THE DISCLOSURE

A speed change ratio control unit for a continuously variable transmission that uses a step motor as a driving actuator of a speed change control valve comprising a step-out determination means that compares a variable (**ASTP**) representing a step position of the step motor and a step position (**BSTP**) of the step motor that is necessary for realizing a desired speed change ratio at every predetermined operation cycle, and if **ASTP** \neq **BSTP** is satisfied determines that a step-out has occurred on the step motor; a step-out correction means (**S17d**, **S17f**) that when a step-out is determined by the step-out determination means (**S17b**) corrects the **ASTP** so as to reduce a difference between the **ASTP** and the **BSTP**; and a drive means for driving the step motor using the corrected **ASTP**. The speed change ratio control unit for a continuously variable transmission is provided that can detect and correct a step-out at any speed change ratio.